

Notice of Available Grants

Summary

The Bay Area Air Quality Management District (BAAQMD) invites interested parties to submit applications for the *Charge* grant program. The purpose of the *Charge* program is to help create a network of public access electric vehicle (EV) charging stations throughout the Bay Area. Grants will be available to both public and private entities to purchase and install EV chargers within the boundaries of the nine-county BAAQMD. Funding for the *Charge* program is provided by the Transportation Fund for Clean Air (TFCA), administered by the BAAQMD.

Background

The vast majority of California's populace, including San Francisco Bay Area residents, live in regions with air quality problems. The Bay Area is currently designated as a non-attainment area for the federal ozone standard. Tailpipe emissions from cars and trucks are the primary source of air pollution in the Bay Area. Emissions from oil refining as well as pumping at gas stations are also significant sources of air pollution. To address the automobile's impact on air quality, the California Air Resources Board issued a zero emission vehicle mandate that requires increasing electric vehicle (EV) sales over time. As a result of the mandate, major automobile manufacturers are now marketing battery operated EVs in California. Zero-emission EVs offer great promise for reducing motor vehicle emissions, but they are not currently widely used in the Bay Area. One barrier to increased market penetration of EVs is their limited driving range. While EVs may operate well on the local level, drivers remain concerned about regional trips. To increase EV range and boost consumer confidence, a network of public access EV charging stations is needed in the Bay Area. Substantial EV charging networks have already been installed in the Los Angeles and Sacramento areas.

Program Description

Charge grants will be available to both public and private entities throughout the BAAQMD to purchase and install EV chargers. All charger stations must be accessible to the general public. *Charge* grants will be limited to 40% of the total cost to purchase and install one inductive charger and one conductive charger, with a maximum funding cap of \$7,000 for such a charging site. Exceptions may be made for locations that wish to install only one form of charger, in which case a grant of \$3,500 will be available, regardless of the number of chargers installed. If three or more chargers are desired, sites may have the \$7,000 cap increased by \$1,000 for each additional charger beyond the first conductive and inductive charger. Only one grant award will be available per site.

Information on EV Charging Systems

The hardware and installation for all chargers that receive *Charge* grants must comply with the "Level 2" EV charging standards established in SAE 1772 / NEC 625. A description of EV charging technology is available on the California Energy Commission website at www.energy.ca.gov/afvs/ev/evtech.html. The site also describes building codes and standards that apply to EV charging sites.

How to Apply

To apply for a *Charge!* grant, the site owner must complete the enclosed "Application Form" (see Attachment A). Potential applicants are encouraged to contact BAAQMD staff (see below) to discuss their site prior to submitting an application. Applications may be submitted at any time. The application must include an estimate of the hardware and installation costs for the charging site. BAAQMD staff can provide references to qualified contractors who can perform estimates and install chargers.

Applications for *Charge* funds will be evaluated by BAAQMD staff based upon the enclosed "Site Selection Criteria" (see Attachment B). Owners of approved sites will be required to enter into a written contract with the BAAQMD to ensure compliance with the terms of the grant. Grant funds will not be disbursed until the charger(s) are fully installed and operational.

For further questions concerning the *Charge* grant program, please contact:

David Burch, Sr. Environmental Planner
Bay Area Air Quality Management District
939 Ellis Street
San Francisco, CA 94109

Phone: (415) 749-4641
Fax: (415) 749-4741
Email: dburch@baaqmd.gov

“Charge” Program Grant Application

Thank you for your interest in installing public access electric vehicle (EV) charging. The *Charge* program is administered by the Bay Area Air Quality Management District (Air District) with funds from its Transportation Fund for Clean Air (TFCA). The purpose of the *Charge* grant program is to build a regional network of public access EV chargers that will encourage sales of EVs and increase their use. The Air District encourages applicants to install one conductive and one inductive charger per site. In general, *Charge* funding will cover up to 40% of the cost for hardware and installation. For a site with one inductive and one conductive EV charger, *Charge* funding is capped at \$7,000 cap per site. In the event that an applicant wants to install only one type of charger (i.e. conductive only or inductive only), the grant amount will be \$3,500, regardless of the number of chargers. If the site owner wishes to install three or more chargers, the \$7,000 cap may be increased by \$1,000 for each additional charger. Only one grant award will be available per site.

Please complete the proposal form with as much detailed information as possible. The more information you provide, the easier it will be to evaluate your proposal, and the more likely that it will qualify for funding. Applicants must ensure that the proposed charging site meets all of the required criteria listed in "Site Selection Criteria" (see Attachment B). Grant funds will not be disbursed until the chargers are fully installed and operational.

Applications will be reviewed and evaluated in the order received. Please address any questions to David Burch at dburch@baaqmd.gov or 415-749-4641.

Applications should be submitted to the following address:

David Burch
Bay Area Air Quality Management District
939 Ellis St.
San Francisco, CA 94109

“Charge” Program Grant Application

Please provide all information requested and include the Attachments listed on the next page.

1. Site Owner:
2. Charger Site Address:

Provide the following information (#3 - #7) for designated Contact Person:

3. Name:
4. Title:
4. Mailing Address:
5. Phone:
6. Fax:
7. E-mail:
8. Describe type of site (e.g. shopping mall, civic center, transit station, etc.)
9. Number and Type of Chargers to be Installed: _____ Inductive _____ Conductive
10. Anticipated Funding Sources

Charge Grant:	\$
Site Owner:	\$
Automaker (Inductive):	\$
Automaker (Conductive):	\$
Other Source (Please Identify):	\$ _____
Estimated Total Cost for Charger Installation:	\$

11. Describe status of all matching funds: (Have matching funds been secured / committed?)

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12. List major transportation corridors and activity centers that are within one mile of the site.
13. What activities are available to an EV driver while recharging at this charging site?
14. What hours will the charging site be publicly accessible?:
15. What is the estimated average length of visit for an EV driver?:
16. Will the chargers be easily visible to EV drivers and the general public? (Please explain)
17. What security measures will protect the charger from vandalism? (e.g., lighting, location, security personnel on property, charger within easy view of personnel, etc.)
18. Have you identified a contractor for the installation of the charger? ___Yes___No
(If yes, please identify)
19. What is the estimated date for installation of the chargers?:
20. Will the site fulfill all of the “required criteria” specified in Attachment B?
21. (Optional) Provide any other reasons why this site would be a good site for EV charging :

Attachments: *Please provide the following as attachments to this form:*

- A. A detailed cost estimate for the EV chargers, including all hardware and installation costs.
- B. A map showing the location of the proposed chargers relative to freeways, arterial streets, and major activity centers in the area.
- C. A site map showing the location of the proposed charging station within the site.

Submit application to:

David Burch
BAAQMD
939 Ellis St.
San Francisco, CA 94109

“Charge” Grant Program – Site Selection Criteria

All applications for *Charge* funds for electric vehicle (EV) charging sites must meet the *required criteria* that are defined below. In evaluating *Charge* applications, BAAQMD staff will consider the potential usage at each site, the proximity of the site relative to freeway corridors and activity centers, and the location of the site relative to existing charging sites in the region. Priority for funding will be placed upon sites that meet the *additional criteria* specified below. Preference will be given to sites that fill significant gaps in the existing charging network.

Sites must meet the following **required criteria**:

- Site is publicly accessible at least eight hours per work day
- Site will be reserved for electric vehicle charging/ parking only
- Site will be adequately signed to indicate electric vehicle parking
- Co-funding is identified and committed (from site owner, auto manufacturers, and/or others)
- Site can meet ADA guidelines for electric vehicle charging
- Site is ready for installation
- Site owner is willing to pay for electrical costs for users for at least three years
- Site owner will sign an agreement to maintain equipment, enforce parking limits, and operate chargers for at least three years from the installation date
- Chargers will meet the SAE / NEC standards for “Level 2” charging and will be installed by qualified contractors or personnel

Sites will be given funding priority that meet these **additional criteria**:

- Site will help close a key gap in the existing network of publicly accessible EV chargers
- Site is near major transportation corridors
- Site is publicly accessible for a large number of hours (optimal 24 hour access)
- Site has a high anticipated usage
- Site is recommended/endorsed by EV drivers or EV drivers groups
- Site is typically visited for an hour or more, but has sufficient turnover to allow multiple users during the day
- Site is highly visible
- Site is reasonably secure and well lit
- Site will provide both inductive and conductive charging
- Site has some potential for future conversion to fast-charging technology
- Application includes a site plan, timeline for installation, and a detailed cost estimate